

# Progress report 00

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Date Time: 16-Jan-2020 14:30

Location: Pawar office, Silwood Park ICL

People: Dr. Samraat Pawar, PokMan Ho

## 1 Follow-up items

None

## 2 Topics discussed

1. Global solar data hourly time series (1947-2019) data cleaning
2. Model parameterization
3. (2019-20 CMEE coursework) miniproject

## 3 Consensus

1. Drop solar data cleaning scripting until confirmed necessary
2. script a Jupyter notebook on:
  - scripting minimal model (py3)
  - write out logic & parameter definitions (md)
  - run minimal model (Jupyter)
  - expected result & respective analysis (py3 / R)
  - potential players: two cyanobacteria lineages, nutrient (although assume unlimited)
3. (2019-20 CMEE coursework) optional add in more biological questions & explicitly addressing them
4. gain maths knowledge from upcoming “Maths in Biology” sessions

## 4 Work to do (expected finishing date)

- model equation verification (before February)
- model parameter description (before Feb)
- email “Maths in Biology” lecture to secure seat (16/01/2020)
- attend “Maths in Biology” sessions (coming two weeks)